

**01411035 HOSPITALITY BRANCH AT BLUE BELL ROAD, NEAR CECIL, NJ**

GREAT EGG HARBOR RIVER BASIN

LOCATION.--Lat 39°38'40", long 74°59'09" referenced to North American Datum of 1983, Monroe Township, Gloucester County, NJ, Hydrologic Unit 02040302, at bridge on Blue Bell Road, 1.2 mi upstream from Timber Lakes, and 2.0 mi west of Cecil.

DRAINAGE AREA.--4.51 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1990-96. Miscellaneous and occasional low-flow measurements, water years 1998 to current year.

GAGE.--Staff gage.

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Discharge, in ft <sup>3</sup> /s
Nov 28, 2007	2.07
Jan 24, 2008	3.84
Feb 25, 2008	5.64
May 29, 2008	3.89
Jul 10, 2008	1.90
Aug 25, 2008	1.31

## 01411035 HOSPITALITY BRANCH AT BLUE BELL ROAD, NEAR CECIL, NJ—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

REMARKS.--Cooperative Network Site Descriptor: Mixed Land Use Indicator, NJ Department of Environmental Protection Watershed Management Area 15.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 3

[Remark codes: &lt;, less than; E, estimated.]

Date	Time	Instantaneous discharge, ft <sup>3</sup> /s (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO <sub>3</sub> (00900)
Nov 28...	1030	2.1	5.4	.150	.120	776	9.2	75	5.8	63	11.0	7.2	14
Feb 25...	1140	5.6	1.1	.202	.156	758	12.3	100	5.8	74	7.0	6.5	16
May 28...	1215	3.9	4.7	.417	.334	766	8.6	90	6.1	65	25.0	17.2	14
Aug 25...	1200	1.3	3.2	.133	.107	756	8.4	95	6.0	61	28.0	21.2	14

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 3

[Remark codes: &lt;, less than; E, estimated.]

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO <sub>3</sub> (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO <sub>2</sub> (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non-filterable, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Nov 28...	2.76	1.73	1.71	4.13	3.5	7.26	<.12	8.6	6.76	E39	52	8	.19
Feb 25...	3.38	1.87	1.60	5.20	3.6	9.69	<.12	5.3	8.11	41	51	6	.23
May 28...	2.89	1.74	1.48	4.57	10	7.99	<.12	5.3	3.79	37	33	6	.34
Aug 25...	2.84	1.66	1.67	4.13	5.7	7.11	<.12	8.0	4.63	E38	36	6	.20

## 01411035 HOSPITALITY BRANCH AT BLUE BELL ROAD, NEAR CECIL, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 3

[Remark codes: &lt;, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Boron, water, fltrd, µg/L (01020)
<b>Nov</b>													
<b>28...</b>	.034	.97	.12	1.2	1.3	E.004	E.006	.029	1.9	<.04	1.9	3.3	12
<b>Feb</b>													
<b>25...</b>	.014	.82	.04	1.0	1.1	<.010	.009	.025	.5	<.04	.5	4.6	12
<b>May</b>													
<b>28...</b>	.037	.69	.10	1.0	1.1	<.010	.015	.031	1.0	E.1	.9	5.5	12
<b>Aug</b>													
<b>25...</b>	.029	1.04	.05	1.2	1.3	E.004	.009	.021	.6	<.04	.6	2.2	10